08-03-01

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

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## UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No. KVC-037.01

First Inventor Sidney M. Bennett, et al.

Title Decreasing the Effects of Linear Birefringence in a Fiber-Optic Sensor by Use of Berry's Topological Phase

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b)) Express Mail Label No. EL699591355US APPLICATION ELEMENTS Assistant Commissioner for Patents ADDRESS TO: Box Patent Application See MPEP chapter 600 concerning utility patent application contents. Washington, DC 20231 1. 🛛 Fee Transmittal Form (e.g., PTO/SB/17) 7. CD-ROM or CD-R in duplicate, large table or (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 2.  $\square$ 8. Nucleotide and/or Amino Acid Sequence Submission See 37 CFR 1.27. (if applicable, all necessary) 3. 🛛 Specification [Total Pages 19 a. Computer Readable Form (CRF) (preferred arrangement set forth below) b. Specification Sequence Listing on: - Descriptive title of the Invention i. CD-ROM or CD-R (2 copies); or - Cross References to Related Applications ii. 🔲 paper - Statement Regarding Fed sponsored R & D c. Statements verifying identity of above copies - Reference to sequence listing, a table, or a computer program listing appendix **ACCOMPANYING APPLICATIONS PARTS** - Background of the Invention Brief Summary of the Invention 9. 🔲 Assignment Papers (cover sheet & document(s)) - Brief Description of the Drawings ( if filed) 10. - Detailed Description - Claim(s) (when there is an assignee) Attorney - Abstract of the Disclosure 11. 🔲 English Translation Document (if applicable) 4. 🔯 Drawing(s) (35 U.S.C.113) [Total Sheets 5 12. Information Disclosure ] Copies of IDS 5. Oath or Declaration Statement (IDS)/PTO-1449 Citations [Total Pages | 2 13. 🔲 a. Newly executed (original or copy) **Preliminary Amendment** 14. 🛛 b. Copy from a prior application (37 CFR 1.63 (d)) Return Receipt Postcard (MPEP 503) (Should be specifically itemized) (for a continuation/divisional with Box 18 completed) 15. 🔲 Certified Copy of Priority Document(s) i. DELETION OF INVENTOR(S) (if foreign priority is claimed) Signed statement attached deleting inventor(s) Request and Certification under 35 U.S.C. 122 16. 🔲 named in the prior application, see 37 CFR (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. 6. Application Data Sheet. See 37 CFR 1.76 Other: Certificate of Express Mailing 17. 🔯 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76. ☐ Continuation □ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_ Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 17. CORRESPONDENCE ADDRESS 25181 □ Customer Number or Bar Code Label or 

Correspondence address below (Insert Customer No. or Attach bar code label here) Robert W. Gauthier Name Foley Hoag & Eliot LLP 1 Post Office Square Address City **Boston** MA State Zip Code 02109 Country Telephone (617) 832-1175 (617) 832-7000 Name (Print/Type) Robert W. Gauthier Registration No. (Attorney/Agent) 35,153 Signature Date 08/02/01

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Patent fees are subject to annual revision.

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TOTAL AMOUNT OF PAYMENT

	Complete if Known	
Application Number	Not yet known	
Filing Date	Herewith	
First Named Inventor	Sidney M. Bennett, et al.	
Examiner Name		
 Group / Art Unit		
Attorney Docket No.	KVC-037.01	

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1 _	Under 37	7 CFR 1.	itional Fee .16 and 1.	17		_	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
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101		201		Utility filing fee		710	120	310	220	155	Filing a brief in support of an appeal	
106		201		, .		/10	121	270	221	135	Request for oral hearing	
107	490	207	245	Design filing fe Plant filing fee	• E		138	1,510	138	1,510	Petition to institute a public use proceeding	
108		208		Reissue filing f	ee		140	110	240	55	Petition to revive – unavoidable	
114	150	214	75	Provisional filling	ng fee		141	1,240	241	620	Petition to revive – unintentional	
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103	18	203	9	Claims in ex	cess of 20	ļ	149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
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104	270	204	135	Multiple der	endent claim, i	if not paid	179	710	279	355 F	Request for Continued Examination (RCE)	
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SUBMITTED BY				C	omplete (if applicable)	
Name (Print/Type)	Robert W. Gauthier	Registration No. Attorney/Agent)	35,153	Telephone	(617) 832-1 175	
Signature	Thial!	Kulke		Date	08/02/01	

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I do hereby certify that the foregoing documents are being deposited with the United States Postal Service as Express Mail, postage prepaid, "Post Office to Addressee", in an envelope addressed to Box Utility Patent Application, Assistant Commissioner for Patents, Washington, D.C. 20231 øn this date of August 2, 2001.

Robert King

Express Mail Label: EL699591355US Date of Deposit: August 2, 2001

**Utility Patent Application** 

Attorney Docket No.: KVC-037.01

Title: **DECREASING THE EFFECTS OF LINEAR** 

BIREFRINGENCE IN A FIBER-OPTIC SENSOR BY USE

OF BERRY'S TOPOLOGICAL PHASE